USER GUIDE

COMMAND LIGHT
P.O. BOX 87
LOVELAND, CO 80539

PHONE: 1-800-797-7974
FAX: 1-800-667-4296
WEB: www.commandlight.com

Breakage or Damage During Shipment

The transportation company is fully responsible for all shipping damage and will resolve problems promptly if you handle it correctly. Please read these instructions carefully.

Examine the contents of all shipping cases. If you find any damage, call your transportation agent at once and have them make a description on the freight or express bill describing the damage and the number of pieces. Then write us and we will send you the original bill of lading. Get a claim blank from the express or truck company. Fill the claim form out. Attach the claim blank to the original bill of lading together with a copy of our invoice. Attach a memo on which you show the value of the damaged goods. Mail or hand these papers to your local transportation agent. They will process your claim with reasonable promptness.

Please note, we cannot and will not enter claims for damages. If we filed claim here, it would be sent to your local freight agent for verification and investigation. This time can be saved by you filing the claim directly. Every consignee is on the ground floor, in contact with the local agent who inspects the damaged goods, and thus, each claim can be given individual attention.

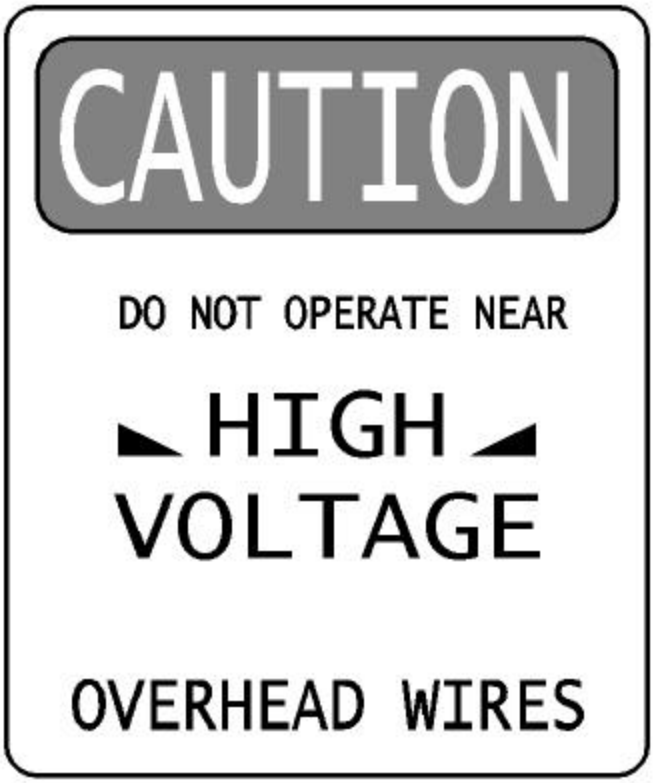
Since our goods are packed to comply with the regulations of all railroad, truck, and express companies, we cannot allow deduction from any invoice because of any damage, however, be sure to file your claim promptly. Our goods are sold F.O.B. factory. We take receipt from the transportation company certifying that the goods were delivered to them in good order and our responsibility ceases.

It is seldom that any breakage or damage occurs in any of our shipments and in no case will the customer be out any expense if they follow the above instructions.

Be sure to keep all damaged goods subject to examination of the truck or express company inspector, who may call on you some time later. These damaged goods, of course, will belong to them, and they will inform you what to do with them. If you dispose of these damaged goods, your claim may not be paid.

Product Safety Precautions

- Never operate the ***COMMAND LIGHT SHADOW*** near overhead high voltage power lines. The ***COMMAND LIGHT SHADOW*** is manufactured from electrically conductive materials.
- Do not use the ***COMMAND LIGHT SHADOW*** for uses other than its' intended purpose.
- Do not move emergency vehicle with the light extended. Visually verify that the light is completely nested before moving vehicle.
- Do not change light position while people are located within its' operating envelope. There are numerous pinch points that can cause serious bodily injury.
- The ***COMMAND LIGHT SHADOW*** contains an automatic reset circuit breaker. Disconnect power at the generator distribution panel before servicing the unit.



- Do not use a high-pressure washer or subject the light to high volumes of water when cleaning.
- Never use the ***COMMAND LIGHT SHADOW*** as a lifting device or mobile arm.
- Do not use a ***COMMAND LIGHT SHADOW*** that has been damaged or is not fully functional.
- Never hold any part of the ***COMMAND LIGHT SHADOW*** with a hand or foot while it is in motion.
- The ***COMMAND LIGHT SHADOW*** has numerous pinch points. Keep loose clothing, hands and feet clear of moving parts.
- The ***COMMAND LIGHT SHADOW*** is not intended to be operated in a raised position while the vehicle is in motion.

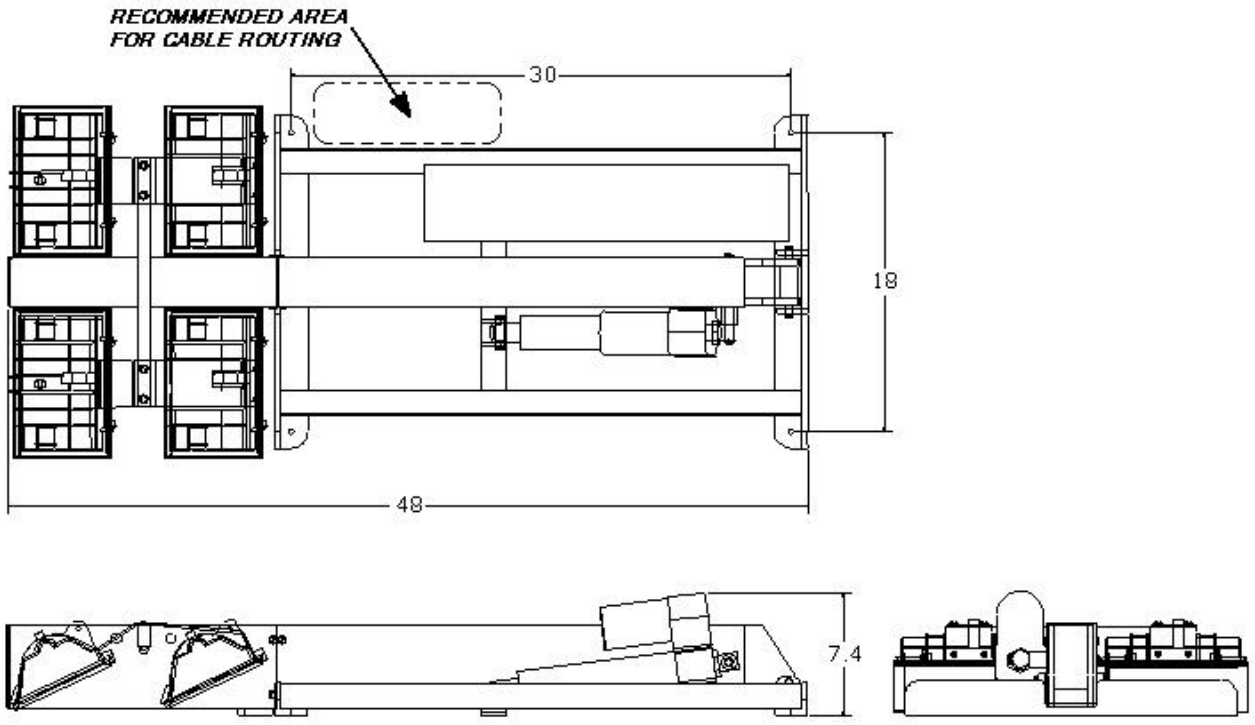
Installation Requirements

The Command Light Shadow must be installed by a designated facility by qualified personnel only. All safety precautions must be thoroughly understood before installation. Please consult the factory for additional installation information or assistance.

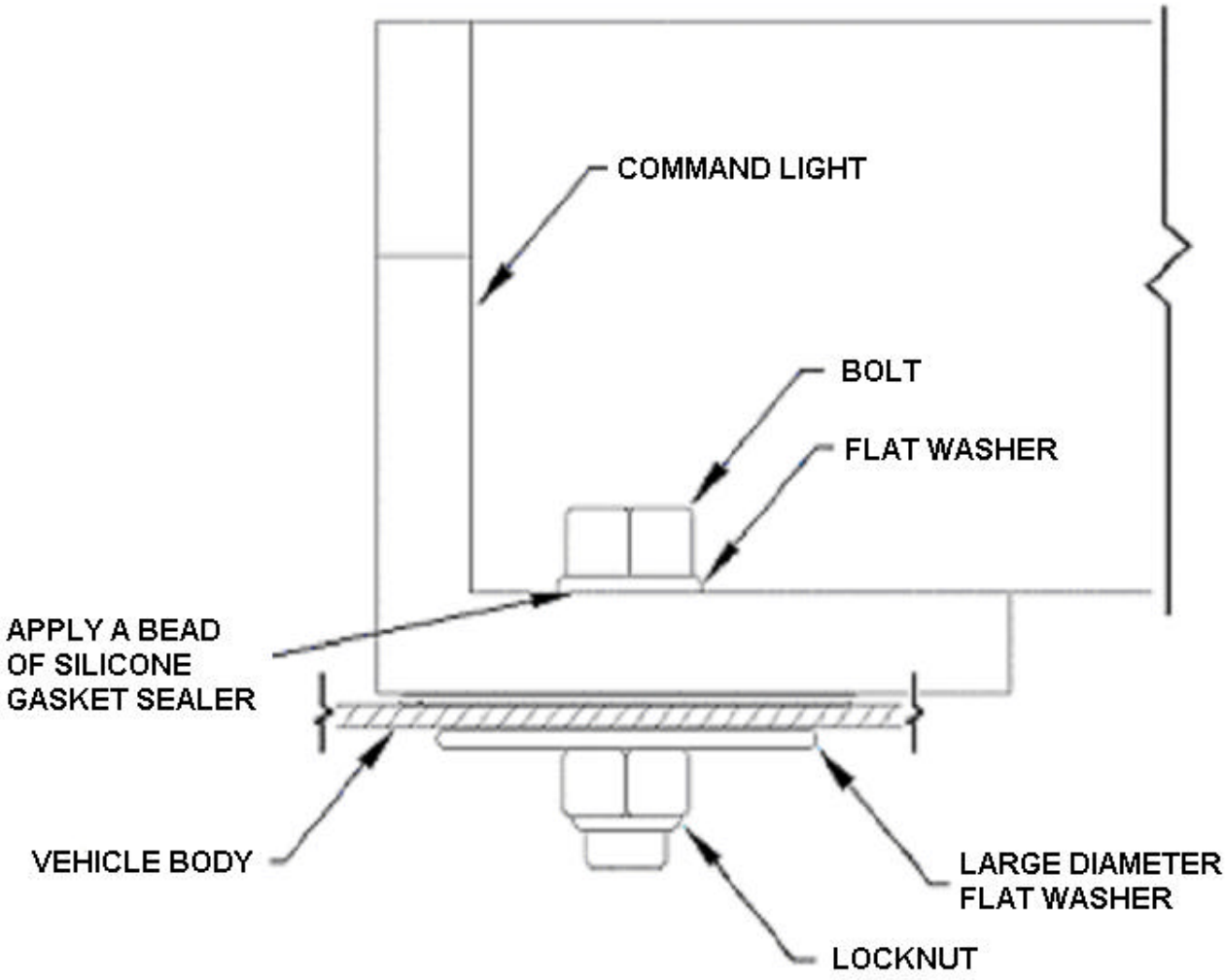
Refer to the drawing below to determine the location of the required (4) mounting hole locations. The ***COMMAND LIGHT SHADOW*** weighs 70 pounds. Use assistance to lift the light into position. Drill (4) 5/16” holes to secure lamp to vehicle.

Remove any obstructions below the mounting surface such as headliners. Fasten the light using the provided hardware. When routing the connecting electric wires use care to avoid sharp bends, hot surfaces or other hazards to the wire.

Dimensions depicted below are for a standard unit.



To assure a weather tight installation apply a bead of silicone based gasket sealer to the underside of the mounting bosses and bolt heads.



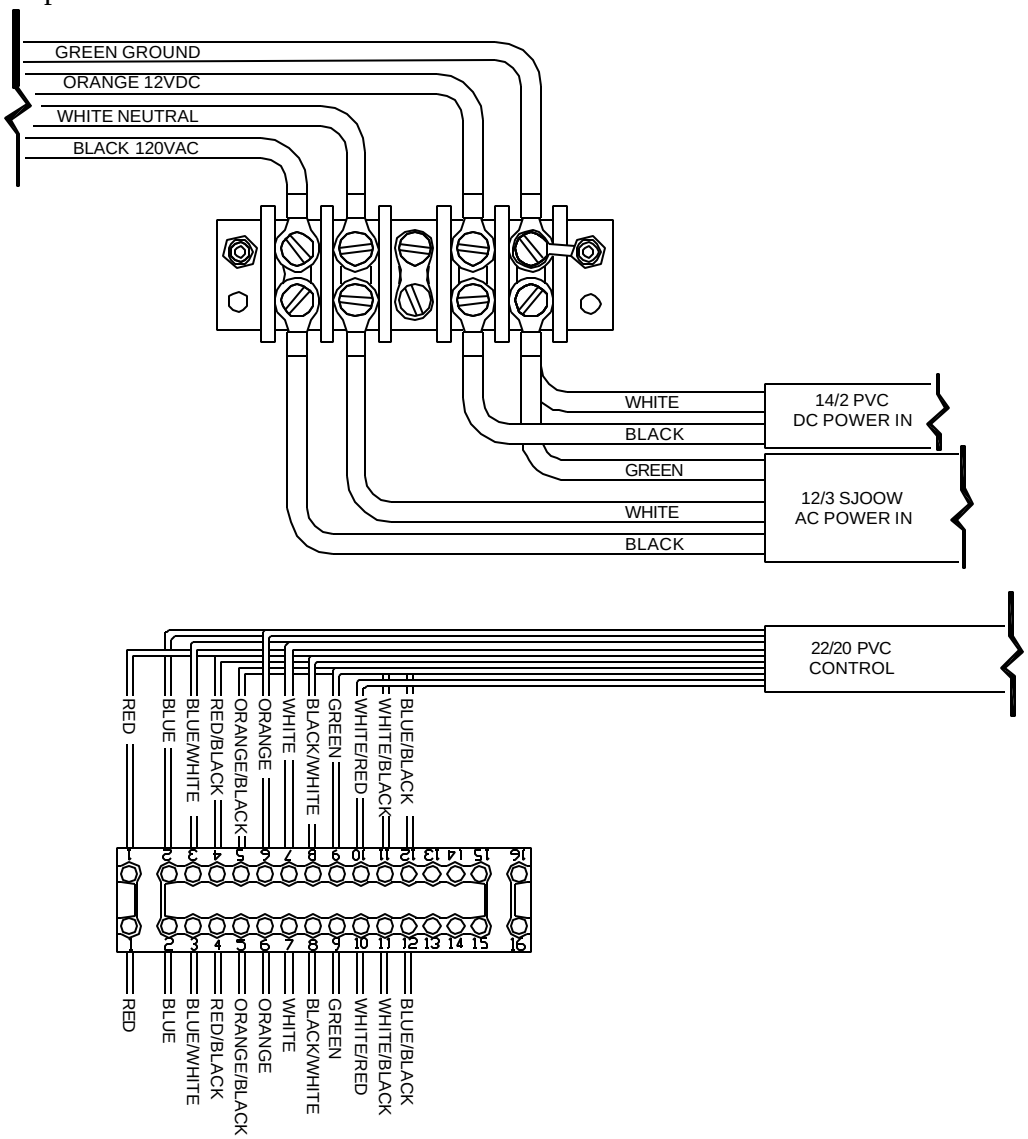
Electrical Wiring

COMMAND LIGHT SHADOW control wires are routed through 3 self-sealing connectors. To install, drill 3 7/8" diameter holes 2-1/2" center to center. Apply silicone sealer to underside of connector before inserting into hole. Fasten connector securely with nuts.

Run the control wires from the control box through the vehicle and connect to the ***COMMAND LIGHT SHADOW.***

Power Connections

Make power connections to the control box as illustrated below. Be sure to provide adequate safety fusing for all power connections.



Maintenance

Lamp Replacement

Tools required:
Clean oil-free cloth
Cleaning alcohol

Position lamp tree so lamps are readily accessible.

Disconnect the power supply from the ***COMMAND LIGHT SHADOW***.

Allow sufficient time for the lamps to cool. The surrounding metal lamp housings can cause serious burns.

Grasp the lamp lens bezel firmly, release the latch that holds the lamp bezel in place. Use caution, the lamp bezel and lens may fall if not properly grasped.

Caution: be certain that the lamp is cool to the touch before handling. Do not touch the lamp directly. Use a clean oil-free towel to handle the lamp. The lamps operate at high temperatures. Handling the lamps directly leaves minute traces of skin oils that cause localized hot spots that can lead to early lamp failure. Lamp surfaces may be cleaned with alcohol.

Latch the bezel making sure that the weather stripping is properly fitted.

Cleaning

The ***COMMAND LIGHT SHADOW*** is constructed with corrosion resistant aluminum and stainless steel fasteners. To further enhance corrosion resistance all exposed surfaces receive a powder coated paint finish. To assure years of trouble free service periodically clean all external surfaces with a mild detergent solution and a gentle spray of water. Do not use a high-pressure washer, which will force water into sensitive electric circuitry.

Lamp lenses may be cleaned with any commercially available glass cleaner.

Actuator is a sealed unit and does not require adjustment or lubrication.

Periodic cleaning of all pivot points on the ***COMMAND LIGHT SHADOW*** with a moisture displacing cleaner and soft bristle brush, without disassembly, to remove accumulated dirt and debris will minimize wear.

Technical Specifications

Dimensions: SL445

	Height	Length	Width
Retracted	7½ ”	48”	22”
Extended	48”		

Weight:

70 pounds

Lamp Current Draw / Power Requirements:

	Max @ 110 VAC	Generator Requirement
500 watt bulbs	18 amps	2Kw minimum

Actuator Current Draw / Fuse Requirement

14 amp @ 12 VDC full load
12 seconds to full actuator extension

Relay Protection

Lights	Cole-Hersey	3055	20

Limited Warranty

One Year

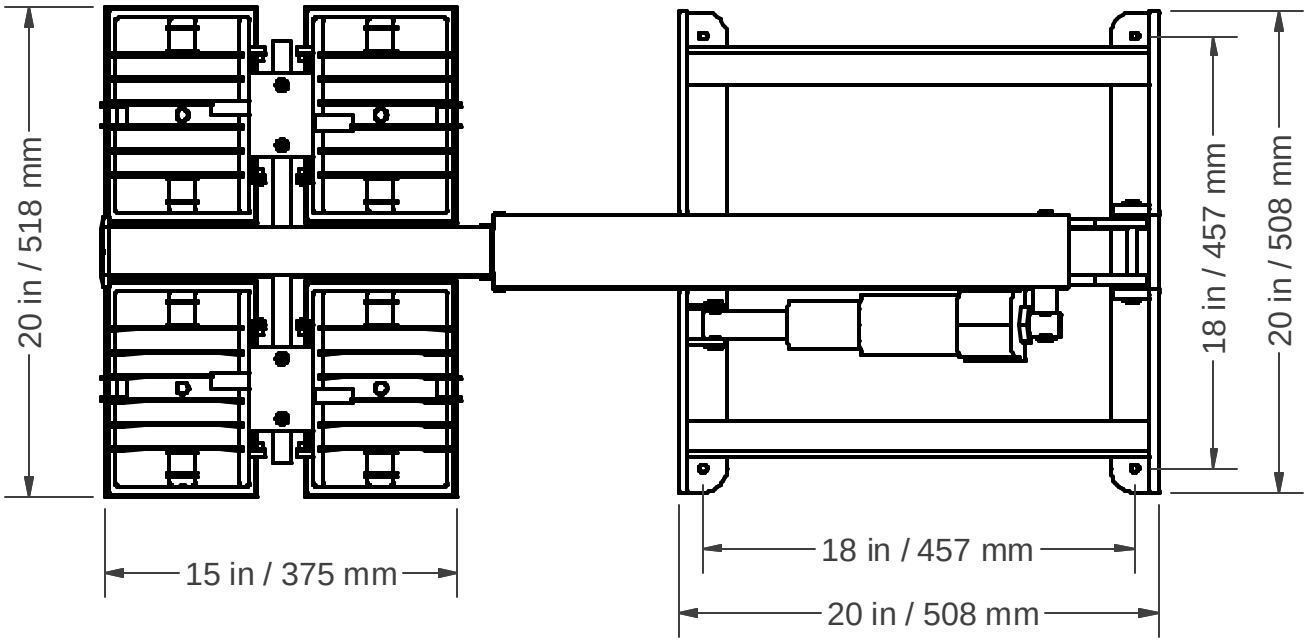
COMMAND LIGHT warrants that the equipment is free from defects in materials and workmanship when used and operated for a period of one year. The responsibility of COMMAND LIGHT under this limited warranty is limited to the repair and replacement of any parts found defective. Parts are returned to COMMAND LIGHT at 1303 East 11th Street, Loveland, Colorado 80537 with transportation charges prepaid (C.O.D. shipments will not be accepted).

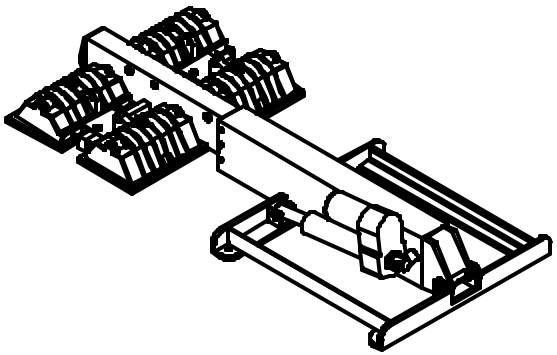
Prior to returning defective parts to COMMAND LIGHT, the original purchaser shall make a claim in writing to COMMAND LIGHT at the above address indicating the model number, serial number and type of defect. No parts or equipment will be received by COMMAND LIGHT for repair or replacement under this warranty without specific written authority from it in advance.

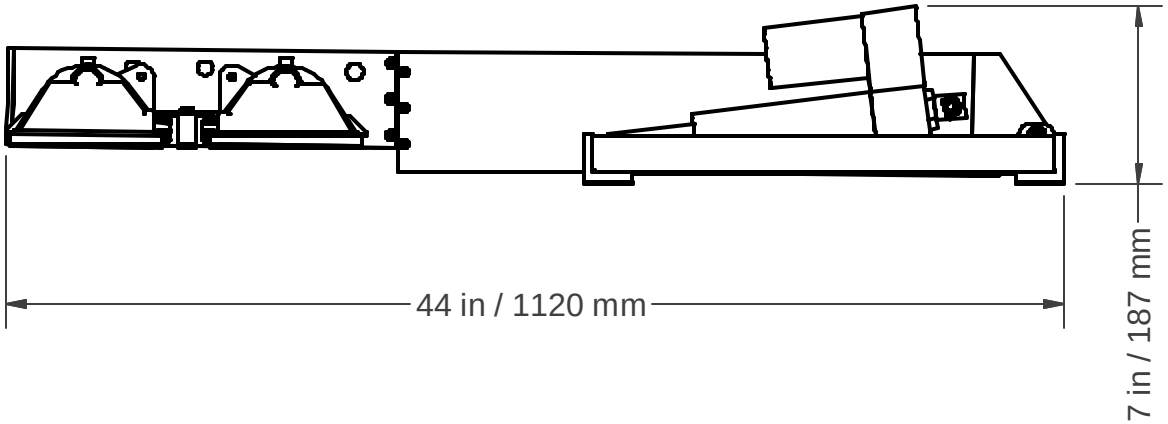
Any parts damaged by improper installation, overloading, abuse or accident of any type or cause are not covered by this warranty.

All equipment manufactured by us is tested before leaving our plant, and is shipped in good working order and condition. We therefore extend to the original purchasers the following Limited Warranty for the period of one year from the original date of purchase:

1. This warranty does not apply to defects caused by accident, misuse, neglect, or wear and tear, nor can we be held responsible for incidental and consequential expense and loss, nor does this warranty apply to equipment where alterations have been executed without our knowledge or consent. These conditions are readily discernable when the equipment is returned to us for inspection.
2. On all component parts not manufactured by COMMAND LIGHT, their warranty is to the extent that the manufacturer of such component warrants them to COMMAND LIGHT, if at all. Look in your local business telephone directory for the nearest repair station for the brand of parts you have or write to us for the address.
3. If equipment received has been damaged in transit, a claim should be made against the carrier within three days, as we assume no responsibility for such damage.
4. Any service other than our Authorized Service voids this warranty.
5. This warranty is in lieu of and is intended to exclude all other warranties, express or implied, oral or written, including any warranties of MERCHANTIBILITY or FITNESS for a particular purpose.







SHADOW RT

4 X 500 WATT
120 VAC
51 LBS.
350 DEGREE ROTATION
135 DEGREE TILT

SHADOW

Command Light, Inc.
PO Box 87
Loveland CO 80539

Phone: 1-800-797-7974
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Internet: www.commandlight.com

Parts List – Model SL445RT

1	078-01000A	1	FRAME, ASSEMBLED, SHADOW RT
2	024-10527	2	FOOT, RECTANGULAR, RUBBER
3	034-10939	4	SCREW, PHP, 8-32 X ½, SS
4	078-02200	1	PIN, LOWER ACTUATOR, SHADOW RT
5	065-15355	1	ACTUATOR, D12-21B5-06-STD
6	065-12365	1	LOOM CLAMPS #454-42 #6 3/8" SS
7	034-11028	1	1/4 LOCKWASHERS SS
8	034-11015	1	1/4-20 X 1/2 HEX CS SS
9	078-01500	1	PIN, LOWER PIVOT, SHADOW RT
10	065-12861	2	LOOM CLAMPS #454-46 #8 1/2" SS
11	034-11033	4	1/4-20 NYLOK HEX NUT SS
12	034-13033	2	1/4-20 X 7/8 HEX C/S SS
13	069-15336	6	RING, RETAINING, E, SS
14	078-02300	1	PIN, UPPER ACTUATOR, SHADOW RT
15	078-02000A	1	ARM, LIFT TUBE, SHADOW RT
16	034-10950	3	NUT, 8-32, HEX, SS
17	034-10939	2	SCREW, 8-32 X ½, PHP, SS
18	078-03200	1	CAM, ROTATION SWITCH, SHADOW RT
19	034-13311	2	SCREW, ¼-20 X ¼ , SOCKET SET, SS
20	034-10891	2	SCREW, 4-40 X 1-1/2, PHP, SS
21	069-14222	2	SWITCH LIMIT CHERRY E23OOK
22	075-SPACER	2	SPACER, MICRO SWITCH, 7/16
23	034-13014	2	SCREW, 10-32 X 3/4., SHCS, SS
24	078-03100	1	PLATE, ROTATION SWITCH, SHADOW RT
25	069-14793	1	GEAR MOTOR, 5NG29, SHADOW RT
26	069-15330	1	BEARING, NICE 7516, SHADOW RT
27	034-11028	8	WASHER, SPLIT LOCK, ¼, SS
28	034-11019	8	BOLT, ¼-20 X ½, HEX HEAD, SS
29	078-03000	1	PLATE, ROTATION DRIVE, SHADOW RT
30	034-13104	4	SCREW, 10-32 X ¾, SHCS, SS
31	078-04000A	1	PLATE, ROTATION DRIVEN, SHADOW RT
32	034-14187	2	SCREW, SOCKET SET, ¼-20 X 5/8, SS
33	078-05000A	1	TREE, LAMP, SHADOW RT
34	078-05301	2	MOUNT, LAMP, SHADOW RT
35	034-11021	4	BOLT, HEX HD, ¼-20 X 2, SS
36	034-11015	4	1/4-20 X 1/2 HEX CS SS
37	034-11029	8	WASHER, FLAT, ¼, SS
38	034-11033	4	1/4-20 NYLOK HEX NUT SS
39	075-450FIXT	4	LAMP, 500W, COMPLETE, KNIGHT
40	034-11033	8	NUT, HEX, ¼-20, SS
NI		1	HARNESS, LAMP TREE, WIRED
NI		1	HARNESS, ROTATION, WIRED
NI		1	HARNESS, AC, WIRED